

IBM Cloud Pak for Integration (CP4I)

Transform integrations into outcomes. Drive impact with AI and Automation.



Highlights

Use a unified platform for API management, application integration, messaging, events, data transfer—in containers or VMs, in the cloud or on-premises.

Gain centralized visibility and control with Unified Management—enabling you to view and access your integrations from a single, unified interface across multiple OpenShift clusters.

Transform your integration lifecycle—create, deploy, operate, observe and update integrations with tools to simplify, enhance and govern every step with automation and control.

Enterprises today run over 1,000 applications on average¹, each with hundreds of dependencies and toolsets—creating complexity that slows innovation and strains resources. As digital ecosystems grow and AI becomes central to operations, organizations face mounting pressure to securely exchange data, integrate processes, and automate at scale. Yet, fragmented systems, manual workflows, and outdated infrastructure continue to block agility, drive up costs, and increase risk.

To stay competitive, businesses need a smarter, more unified approach to integration—one that streamlines operations, accelerates data flow, capitalizes on containerization, and lays the foundation for scalable, AI-powered growth.

CP4I is an AI-powered hybrid integration solution that connects applications, data, and processes across any cloud or on-premises environment. Designed for agility and scale, it delivers a unified experience with no-code tools, developer-focused tools, pre-built connectors, and centralized access to services, APIs, and events. CP4I streamlines container deployment and management with enterprise-grade security, compliance, and messaging, all available under a single flexible license.

Beyond core integration, CP4I drives enterprise velocity—extending to accelerate partner onboarding, secure file transfers, and automate the detection and response to real-time events streaming in your business. Built to scale, it breaks down silos and unlocks the full potential of modern integration—fueling impact through connectivity, intelligence, and innovation.

An industry-leading solution to connect, automate, and unlock the full potential of integrations

IBM Cloud Pak for Integration is the trusted solution to connect applications and move data rapidly, reliably and securely.

One hub to build with speed

Provide a centralized hub for building and managing integrations, with a no-code interface, AI-powered assistance, and pre-built connectors. This unified approach accelerates development and promotes reusability, empowering teams to architect the next generation of integration.

One solution to deploy and run anywhere

Offer a unified environment for deploying and running integration software, supporting various deployment options including containers, virtual machines, and on-premises infrastructure. This flexibility ensures seamless integration across diverse environments.

One unified platform for scalable growth

Unlock broader integration capabilities to drive new engagement models, automate deployment and operations, and ensure compliance—all while keeping your tech landscape secure, scalable, reliable and efficient. Gain visibility and control of your integrations and your business from a single, unified interface.

One price to pay

With a single license covering multiple integration products, CP4I eliminates the complexity of managing separate licenses—simplifying operations and significantly reducing total cost of ownership, and can be further extended with MFT, B2B and Event Processing.

“IBM CP4I enhanced the digital transformation journey and integration of interactive applications with users into the auxiliary system, which enabled us to deploy new business initiatives quickly.”

Trinh Vinh Hien

Deputy CIO
PVcomBank

Deployment options

Run your integration software more easily virtually anywhere—through containers supported by Red Hat OpenShift software, on IBM Power Linux, IBM Z Linux, IBM zCX, or essentially any existing infrastructure on premises or through private and public clouds. Use the capabilities you need with a fully modular approach that's designed to be easy to consume.

As a part of the IBM Automation platform, IBM Cloud Pak for Integration includes containerized IBM middleware and common software services for development and management on top of a common integration layer.

With a single control plane, enterprises can manage integrations efficiently while maintaining security, compliance, and performance at scale.

Name	Type	Location	Namesp...	Version	Created	Status	Labels
acme-dev-acedash	Integration dashboard	acme-dev	acme-dev	13.0.4.0-r1	14 days ago	Warning	backup, appconnect
demo-messaging-canvas	Assembly	acme-dev	acme-dev	-	13 days ago	Ready	backup, integration
demo-messaging-server	Messaging server	acme-dev	acme-dev	16.1.0.0 New version ava	13 days ago	Warning	+2
dev-pn	Platform UI	acme-dev	acme-dev	16.1.2.1	14 days ago	Warning	backup, integration
acme-test-acedash	Integration dashboard	acme-test	acme-test	13.0.4.0-r1	13 days ago	Warning	backup, appconnect
demo-messaging-canvas	Assembly	acme-test	acme-test	-	13 days ago	Ready	backup, integration
demoir	Integration runtime	acme-dev	acme-dev	13.0.4.0-r1	13 days ago	Warning	+4
demo-messaging-server	Messaging server	acme-dev	acme-dev	16.1.0.0 New version ava	13 days ago	Warning	+2
demo-queue-1	Messaging queue	acme-dev	acme-dev	-	13 days ago	Ready	+2
demochannel01	Messaging channel	acme-dev	acme-dev	-	13 days ago	Ready	+2
msguser	Messaging user	acme-dev	acme-dev	-	13 days ago	Ready	+2
demoir	Integration runtime	acme-test	acme-test	13.0.4.0-r1	13 days ago	Warning	+4
demochannel02	Messaging channel	acme-test	acme-test	-	13 days ago	Ready	+2
demo-queue-1	Messaging queue	acme-test	acme-test	-	13 days ago	Ready	+2

IBM Cloud Pak for Integration control plane

From complexity to strategic advantage

Effective integration of applications and data is essential for achieving operational excellence in today's interconnected business world—yet 82% of enterprise leaders say IT complexity impedes success.²

To transform complexity into a competitive advantage, modern enterprise integration must be built on three essential principles.

1. Manage unified integrations across on-premises and multi-cloud

A unified integration experience can ensure seamless connectivity by consolidating application integration, Application Programming Interfaces (APIs), events, and data into one unified environment. This eliminates fragmentation, providing full visibility and governance across hybrid and multicloud environments.

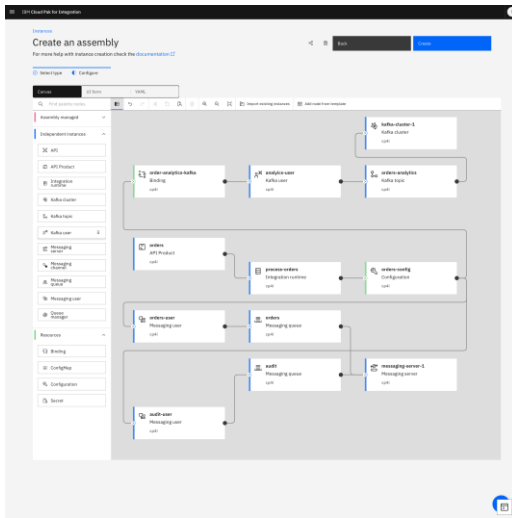
2. AI-powered integration

Empower both IT specialists and business users with AI to unlock productivity that drives every part of your business. AI-powered integration democratizes automation, reducing bottlenecks and empowering more users to create, manage, and optimize integrations. Instead of relying on deep technical expertise, these capabilities streamline workflows, enhance productivity, and improve decision-making, all without excessive coding.

3. Business agility

By breaking down rigid architectures, businesses unlock flexibility and become more agile to respond to evolving customer demands and market shifts—without the burden of complex manual intervention. A flexible set of dynamic, reusable APIs and events, combined with DevOps and GitOps automation practices, enables faster iterations, consistent deployments, and streamlined operations across hybrid environments.

These principles allow enterprises to harness the full potential of AI-powered automation and innovation without limitations. They define what it takes to integrate at the speed of business, ensuring that every environment, user, and use case is supported by seamless, scalable, and intelligent solutions that enhance agility and unlock new growth opportunities.



IBM Cloud Pak for Integration Canvas unifies integration patterns into a single, containerized platform—accelerating delivery, improving consistency, and simplifying operations across hybrid environments.

Capabilities

IBM Cloud Pak for Integration has the most comprehensive set of automated, secure, and scalable integration capabilities to enable your organization to digitally transform and grow your business.

Unified Management

Gain enhanced visibility and manage all your integrations—across any deployed cluster—from a single, centralized interface.

API management

Create, secure, manage and socialize APIs within a single, unified experience. Accelerate the API lifecycle and improve the quality of your APIs with new insights from automated testing with [IBM API Connect](#).

Application integration

Easily build flows with no-code integration tools, pre-built templates and connectors for the most common business apps, and AI that automatically performs time-intensive, complex tasks with [IBM App Connect](#).

Event streaming

Become highly responsive to changes in the world. Replace manual workflows with a series of automatic actions that address customer needs in real time, triggered by internal or external events with [IBM Event Streams](#).

Event Endpoint Management

Event endpoint management accelerates the implementation of event-driven applications by making the events that drive them easily accessible to everyone. [IBM Event Endpoint Management](#) works with any Kafka implementation.

Enterprise messaging

Preserve data integrity by preventing outages and ensuring mission-critical data is delivered reliably only once with [IBM MQ](#).

High speed data transfer

Utilize high-speed data migration transfers to, from and between on-premise data centers and any major cloud. Deliver data of any size and virtually unlimited bit-rate video with [IBM Aspera](#).

End-to-end security

Integrate across any cloud provider and deploy and scale with cloud-native architecture, all with end-to-end enterprise-grade security and encryption with [IBM Datapower Gateway](#).

B2B partner management

Accelerate time to value with streamlined partner onboarding, self-service portals and automated workflows with [IBM webMethods B2B](#).

Managed file transfer

Gain real-time visibility, control, and automation for secure, managed file transfers with [IBM webMethods MFT](#).

Event processing

Build, test, and automate event-driven workflows with a powerful low-code platform. Gain flexibility to work with any Kafka implementation or compatible event broker with [IBM Event Processing](#).

50%

Reduction of up to 50% in development time and time to market. 40% savings in development costs

([Horizon Power](#))

3X

3x faster time to market; 2x faster delivery of common services with the new super-app ([Alinma Bank](#))

Key benefits

IBM Cloud Pak for Integration runs anywhere—on containers or virtual machines—with a consistent development, deployment, and management experience

Access all your services and events—catalogued, documented, and managed—in a single hub.

Deliver business-critical communication with confidence using enterprise-grade, reliable messaging.

Drive consistency, visibility, and cost savings by managing multiple API types in a single tool.

Empower developers, partners, and customers to securely access, use, and reuse the resources they need—easily and efficiently.

Seamlessly connect any application, data type, or format—enabling fast, flexible integration across diverse systems, environments, and platforms.

Extend the capabilities of CP4I to:

- Accelerate time to value by simplifying onboarding of trading partners through a streamlined interface and automated workflows.
- Automate, secure, and streamline file transfers with scalability and control to reduce errors and expedite file transfers.

Why Cloud Pak for Integration

IBM Cloud Pak for Integration empowers businesses to simplify complexity, accelerate AI adoption, and drive innovation—across any cloud or on-premises environment.

With a modern, agile approach to integration, IBM Cloud Pak for Integration extends AI-powered automation across the entire integration lifecycle. The result: faster time to market and delivery services, reduced downtime, lower costs, and streamlined integrations—all while maintaining enterprise-grade security, governance and availability.

Ensure that your business's critical data can easily move from where it is generated to where it is consumed, allowing you to make better business decisions and drive new engagement models and personalized omnichannel experiences for your customers.

For more information

To learn more about IBM Cloud Pak for Integration, contact your IBM Business Partner:

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Citations

1. Customer Data Platform Institute, "Average Enterprise Uses 1,000+ Apps," July 25, 2023.
2. Harvard Business Review, "Is IT Complexity Standing in the Way of Your Organization's Growth?," December 9, 2022.

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